



OIPE

RAW SEQUENCE LISTING

DATE: 01/28/2002

PATENT APPLICATION: US/60/345,102

TIME: 18:06:47

Input Set : A:\Utsc730.app

Output Set: N:\CRF3\01282002\Z345102.raw

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3 <110> APPLICANT: BERESTEIN, GABRIEL LOPEZ

4 TARI, ANA MARIA

5 ZAPATA-BENAVIDES, PABLO

7 <120> TITLE OF INVENTION: LIPOSOMAL WT1 ANTISENSE OLIGOS FOR THE INHIBITION OF BREAST
CANCER

W--> 0 <130> FILE REFERENCE:

C--> 10 <140> CURRENT APPLICATION NUMBER: US/60/345,102

C--> 11 <141> CURRENT FILING DATE: 2002-01-02

13 <160> NUMBER OF SEQ ID NOS: 2

15 <170> SOFTWARE: PatentIn Ver. 2.1

17 <210> SEQ ID NO: 1

18 <211> LENGTH: 18

19 <212> TYPE: DNA

20 <213> ORGANISM: Artificial Sequence

22 <220> FEATURE:

23 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

24 Primer

26 <400> SEQUENCE: 1

27 gtcggagccc atttgctg

18

30 <210> SEQ ID NO: 2

31 <211> LENGTH: 18

32 <212> TYPE: DNA

33 <213> ORGANISM: Artificial Sequence

35 <220> FEATURE:

36 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

37 Primer

39 <400> SEQUENCE: 2

40 gggttttga actctgct

18

VERIFICATION SUMMARY

DATE: 01/28/2002

PATENT APPLICATION: US/60/345,102

TIME: 18:06:48

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L:10 M:270 C: Current Application Number differs, Replaced Current Application Number

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date



OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/038,557

DATE: 01/28/2002

TIME: 18:06:10

Input Set : A:\301dseq.001

Output Set: N:\CRF3\01282002\J038557.raw

Does Not Comply
Corrected Diskette Needed

pp 1-5

3 <110> APPLICANT: Fredeking, Terry M.
 4 Ignatyev, George M.
 6 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING HEMORRHAGIC VIRUS
 7 INFECTIONS AND OTHER DISORDERS
 9 <130> FILE REFERENCE: 24881-301D
 11 <140> CURRENT APPLICATION NUMBER: US/10/038,557
 12 <141> CURRENT FILING DATE: 2002-01-03
 14 <150> PRIOR APPLICATION NUMBER: 09/840,707
 15 <151> PRIOR FILING DATE: 2001-04-23
 17 <150> PRIOR APPLICATION NUMBER: 09/562,979
 18 <151> PRIOR FILING DATE: 2000-04-27
 20 <150> PRIOR APPLICATION NUMBER: 60/198,210
 21 <151> PRIOR FILING DATE: 1999-04-27
 23 <160> NUMBER OF SEQ ID NOS: 26
 25 <170> SOFTWARE: PatentIn Ver. 2.0
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 28 <211> LENGTH: 271
 29 <212> TYPE: PRT
 30 <213> ORGANISM: Homo sapiens
 32 <220> FEATURE:
 33 <223> OTHER INFORMATION: Recombinant Interleukin 1-alpha
 35 <300> PUBLICATION INFORMATION:
 36 <308> DATABASE ACCESSION NO: AAA59134/GenBank
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 40 1 5 10 15
 42 Glu Asn Glu Glu Asp Ser Ser Ser Ile Asp His Leu Ser Leu Asn Gln
 43 20 25 30
 45 Lys Ser Phe Tyr His Val Ser Tyr Gly Pro Leu His Glu Gly Cys Met
 46 35 40 45
 48 Asp Gln Ser Val Ser Leu Ser Ile Ser Glu Thr Ser Lys Thr Ser Lys
 49 50 55 60
 51 Leu Thr Phe Lys Glu Ser Met Val Val Val Ala Thr Asn Gly Lys Val
 52 65 70 75 80
 54 Leu Lys Lys Arg Arg Leu Ser Leu Ser Gln Ser Ile Thr Asp Asp Asp
 55 85 90 95
 57 Leu Glu Ala Ile Ala Asn Asp Ser Glu Glu Glu Ile Ile Lys Pro Arg
 58 100 105 110
 60 Ser Ala Pro Phe Ser Phe Leu Ser Asn Val Lys Tyr Asn Phe Met Arg
 61 115 120 125
 63 Ile Ile Lys Tyr Glu Phe Ile Leu Asn Asp Ala Leu Asn Gln Ser Ile
 64 130 135 140
 66 Ile Arg Ala Asn Asp Gln Tyr Leu Thr Ala Ala Ala Leu His Asn Leu

<3097 and
response are
mandatory
whenever <3087
has a response

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/038,557

DATE: 01/28/2002

TIME: 18:06:10

Input Set : A:\301dseq.001

Output Set: N:\CRF3\01282002\J038557.raw

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69 Asp Glu Ala Val Lys Phe Asp Met Gly Ala Tyr Lys Ser Ser Lys Asp
70          165          170          175
72 Asp Ala Lys Ile Thr Val Ile Leu Arg Ile Ser Lys Thr Gln Leu Tyr
73          180          185          190
75 Val Thr Ala Gln Asp Glu Asp Gln Pro Val Leu Leu Lys Glu Met Pro
76          195          200          205
78 Glu Ile Pro Lys Thr Ile Thr Gly Ser Glu Thr Asn Leu Leu Phe Phe
79          210          215          220
81 Trp Glu Thr His Gly Thr Lys Asn Tyr Phe Thr Ser Val Ala His Pro
82          225          230          235          240
84 Asn Leu Phe Ile Ala Thr Lys Gln Asp Tyr Trp Val Cys Leu Ala Gly
85          245          250          255
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88          260          265          270
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93 <211> LENGTH: 269
94 <212> TYPE: PRT
95 <213> ORGANISM: Homo sapiens
97 <220> FEATURE:
98 <223> OTHER INFORMATION: Interleukin-1 beta (catabolin)
100 <300> PUBLICATION INFORMATION:
101 <308> DATABASE ACCESSION NO: P01584/Genbank
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107 Gly Asn Glu Asp Asp Leu Phe Phe Glu Ala Asp Gly Pro Lys Gln Met
108 20 25 30
110 Lys Cys Ser Phe Gln Asp Leu Asp Leu Cys Pro Leu Asp Gly Gly Ile
111 35 40 45
113 Gln Leu Arg Ile Ser Asp His His Tyr Ser Lys Gly Phe Arg Gln Ala
114 50 55 60
116 Ala Ser Val Val Val Ala Met Asp Lys Leu Arg Lys Met Leu Val Pro
117 65 70 75 80
119 Cys Pro Gln Thr Phe Gln Glu Asn Asp Leu Ser Thr Phe Phe Pro Phe
120 85 90 95
122 Ile Phe Glu Glu Glu Pro Ile Phe Phe Asp Thr Trp Asp Asn Glu Ala
123 100 105 110
125 Tyr Val His Asp Ala Pro Val Arg Ser Leu Asn Cys Thr Leu Arg Asp
126 115 120 125
128 Ser Gln Gln Lys Ser Leu Val Met Ser Gly Pro Tyr Glu Leu Lys Ala
129 130 135 140
131 Leu His Leu Gln Gly Gln Asp Met Glu Gln Gln Val Val Phe Ser Met
132 145 150 155 160
134 Ser Phe Val Gln Gly Glu Glu Ser Asn Asp Lys Ile Pro Val Ala Leu
135 165 170 175
137 Gly Leu Lys Glu Lys Asn Leu Tyr Leu Ser Cys Val Leu Lys Asp Asp
138 180 185 190
140 Lys Pro Thr Leu Gln Leu Glu Ser Val Asp Pro Lys Asn Tyr Pro Lys

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/038,557

DATE: 01/28/2002

TIME: 18:06:10

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141 195 200 205
 144 Lys Lys Met Glu Lys Arg Phe Val Phe Asn Lys Ile Glu Ile Asn Asn
 145 210 215 220
 147 Lys Leu Glu Phe Glu Ser Ala Gln Phe Pro Asn Trp Tyr Ile Ser Thr
 148 225 230 235 240
 150 Ser Gln Ala Glu Asn Met Pro Val Phe Leu Gly Gly Thr Lys Gly Gly
 151 245 250 255
 153 Gln Asp Ile Thr Asp Phe Thr Met Gln Phe Val Ser Ser
 154 260 265
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 158 <211> LENGTH: 569
 159 <212> TYPE: PRT
 160 <213> ORGANISM: Homo sapiens
 162 <220> FEATURE:
 163 <223> OTHER INFORMATION: Interleukin-1 receptor, Type I precursor
 165 <300> PUBLICATION INFORMATION:
 166 <308> DATABASE ACCESSION NO: P14778/GenBank
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 173 20 25 30
 175 Val Ser Ser Ala Asn Glu Ile Asp Val Arg Pro Cys Pro Leu Asn Pro
 176 35 40 45
 178 Asn Glu His Lys Gly Thr Ile Thr Trp Tyr Lys Asp Asp Ser Lys Thr
 179 50 55 60
 181 Pro Val Ser Thr Glu Gln Ala Ser Arg Ile His Gln His Lys Glu Lys
 182 65 70 75 80
 184 Leu Trp Phe Val Pro Ala Lys Val Glu Asp Ser Gly His Tyr Tyr Cys
 185 85 90 95
 187 Val Val Arg Asn Ser Ser Tyr Cys Leu Arg Ile Lys Ile Ser Ala Lys
 188 100 105 110
 190 Phe Val Glu Asn Glu Pro Asn Leu Cys Tyr Asn Ala Gln Ala Ile Phe
 191 115 120 125
 193 Lys Gln Lys Leu Pro Val Ala Gly Asp Gly Gly Leu Val Cys Pro Tyr
 194 130 135 140
 196 Met Glu Phe Phe Lys Asn Glu Asn Asn Glu Leu Pro Lys Leu Gln Trp
 197 145 150 155 160
 199 Tyr Lys Asp Cys Lys Pro Leu Leu Leu Asp Asn Ile His Phe Ser Gly
 200 165 170 175
 202 Val Lys Asp Arg Leu Ile Val Met Asn Val Ala Glu Lys His Arg Gly
 203 180 185 190
 205 Asn Tyr Thr Cys His Ala Ser Tyr Thr Tyr Leu Gly Lys Gln Tyr Pro
 206 195 200 205
 208 Ile Thr Arg Val Ile Glu Phe Ile Thr Leu Glu Glu Asn Lys Pro Thr
 209 210 215 220
 213 Arg Pro Val Ile Val Ser Pro Ala Asn Glu Thr Met Glu Val Asp Leu
 214 225 230 235 240
 216 Gly Ser Gln Ile Gln Leu Ile Cys Asn Val Thr Gly Gln Leu Ser Asp

RAW SEQUENCE LISTING

DATE: 01/28/2002

PATENT APPLICATION: US/10/038,557

TIME: 18:06:10

Input Set : A:\301dseq.001

Output Set: N:\CRF3\01282002\J038557.raw

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219 Ile Ala Tyr Trp Lys Trp Asn Gly Ser Val Ile Asp Glu Asp Asp Pro
220          260          265          270
222 Val Leu Gly Glu Asp Tyr Tyr Ser Val Glu Asn Pro Ala Asn Lys Arg
223          275          280          285
225 Arg Ser Thr Leu Ile Thr Val Leu Asn Ile Ser Glu Ile Glu Ser Arg
226          290          295          300
228 Phe Tyr Lys His Pro Phe Thr Cys Phe Ala Lys Asn Thr His Gly Ile
229 305          310          315          320
231 Asp Ala Ala Tyr Ile Gln Leu Ile Tyr Pro Val Thr Asn Phe Gln Lys
232          325          330          335
234 His Met Ile Gly Ile Cys Val Thr Leu Thr Val Ile Ile Val Cys Ser
235          340          345          350
237 Val Phe Ile Tyr Lys Ile Phe Lys Ile Asp Ile Val Leu Trp Tyr Arg
238          355          360          365
240 Asp Ser Cys Tyr Asp Phe Leu Pro Ile Lys Ala Ser Asp Gly Lys Thr
241          370          375          380
243 Tyr Asp Ala Tyr Ile Leu Tyr Pro Lys Thr Val Gly Glu Gly Ser Thr
244 385          390          395          400
246 Ser Asp Cys Asp Ile Phe Val Phe Lys Val Leu Pro Glu Val Leu Glu
247          405          410          415
249 Lys Gln Cys Gly Tyr Lys Leu Phe Ile Tyr Gly Arg Asp Asp Tyr Val
250          420          425          430
252 Gly Glu Asp Ile Val Glu Val Ile Asn Glu Asn Val Lys Lys Ser Arg
253          435          440          445
255 Arg Leu Ile Ile Ile Leu Val Arg Glu Thr Ser Gly Phe Ser Trp Leu
256          450          455          460
258 Gly Gly Ser Ser Glu Glu Gln Ile Ala Met Tyr Asn Ala Leu Val Gln
259 465          470          475          480
261 Asp Gly Ile Lys Val Leu Leu Glu Leu Glu Lys Ile Gln Asp Tyr
262          485          490          495
264 Glu Lys Met Pro Glu Ser Ile Lys Phe Ile Lys Gln Lys His Gly Ala
265          500          505          510
267 Ile Arg Trp Ser Gly Asp Phe Thr Gln Gly Pro Gln Ser Ala Lys Thr
268          515          520          525
270 Arg Phe Trp Lys Asn Val Arg Tyr His Met Pro Val Gln Arg Arg Ser
271          530          535          540
273 Pro Ser Ser Lys His Gln Leu Leu Ser Pro Ala Thr Lys Glu Lys Leu
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279 <210> SEQ ID NO: 4
280 <211> LENGTH: 398
281 <212> TYPE: PRT
282 <213> ORGANISM: Homo sapiens
284 <220> FEATURE:
285 <223> OTHER INFORMATION: Interleukin-1 receptor, Type II precursor
287 <300> PUBLICATION INFORMATION:
288 <308> DATABASE ACCESSION NO: P27930/GenBank

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see p5

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/038,557

DATE: 01/28/2002

TIME: 18:06:10

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The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

W--> 290 ~~300~~ PUBLICATION INFORMATION: 4 *same error*

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292	1				5					10					15	
294	Gln	Pro	Ala	Ala	His	Thr	Gly	Ala	Ala	Arg	Ser	Cys	Arg	Phe	Arg	Gly
295				20					25					30		
297	Arg	His	Tyr	Lys	Arg	Glu	Phe	Arg	Leu	Glu	Gly	Glu	Pro	Val	Ala	Leu
298			35					40					45			
300	Arg	Cys	Pro	Gln	Val	Pro	Tyr	Trp	Leu	Trp	Ala	Ser	Val	Ser	Pro	Arg
301		50					55					60				
303	Ile	Asn	Leu	Thr	Trp	His	Lys	Asn	Asp	Ser	Ala	Arg	Thr	Val	Pro	Gly
304	65				70						75				80	
306	Glu	Glu	Glu	Thr	Arg	Met	Trp	Ala	Gln	Asp	Gly	Ala	Leu	Trp	Leu	Leu
307				85					90					95		
309	Pro	Ala	Leu	Gln	Glu	Asp	Ser	Gly	Thr	Tyr	Val	Cys	Thr	Thr	Arg	Asn
310			100					105					110			
312	Ala	Ser	Tyr	Cys	Asp	Lys	Met	Ser	Ile	Glu	Leu	Arg	Val	Phe	Glu	Asn
313			115					120					125			
315	Thr	Asp	Ala	Phe	Leu	Pro	Phe	Ile	Ser	Tyr	Pro	Gln	Ile	Leu	Thr	Leu
316		130					135					140				
318	Ser	Thr	Ser	Gly	Val	Leu	Val	Cys	Pro	Asp	Leu	Ser	Glu	Phe	Thr	Arg
319	145				150					155					160	
321	Asp	Lys	Thr	Asp	Val	Lys	Ile	Gln	Trp	Tyr	Lys	Asp	Ser	Leu	Leu	Leu
322				165					170					175		
324	Asp	Lys	Asp	Asn	Glu	Lys	Phe	Leu	Ser	Val	Arg	Gly	Thr	Thr	His	Leu
325				180					185					190		
327	Leu	Val	His	Asp	Val	Ala	Leu	Glu	Asp	Ala	Gly	Tyr	Tyr	Arg	Cys	Val
328		195					200					205				
330	Leu	Thr	Phe	Ala	His	Glu	Gly	Gln	Gln	Tyr	Asn	Ile	Thr	Arg	Ser	Ile
331	210					215						220				
333	Glu	Leu	Arg	Ile	Lys	Lys	Lys	Lys	Glu	Glu	Thr	Ile	Pro	Val	Ile	Ile
334	225				230					235					240	
336	Ser	Pro	Leu	Lys	Thr	Ile	Ser	Ala	Ser	Leu	Gly	Ser	Arg	Leu	Thr	Ile
337				245						250				255		
339	Pro	Cys	Lys	Val	Phe	Leu	Gly	Thr	Gly	Thr	Pro	Leu	Thr	Thr	Met	Leu
340			260						265				270			
342	Trp	Trp	Thr	Ala	Asn	Asp	Thr	His	Ile	Glu	Ser	Ala	Tyr	Pro	Gly	Gly
343		275					280						285			
345	Arg	Val	Thr	Glu	Gly	Pro	Arg	Gln	Glu	Tyr	Ser	Glu	Asn	Asn	Glu	Asn
346		290				295						300				
348	Tyr	Ile	Glu	Val	Pro	Leu	Ile	Phe	Asp	Pro	Val	Thr	Arg	Glu	Asp	Leu
349	305				310					315				320		
351	His	Met	Asp	Phe	Lys	Cys	Val	Val	His	Asn	Thr	Leu	Ser	Phe	Gln	Thr
352				325						330				335		
354	Leu	Arg	Thr	Thr	Val	Lys	Glu	Ala	Ser	Ser	Thr	Phe	Ser	Trp	Gly	Ile
355			340						345				350			
357	Val	Leu	Ala	Pro	Leu	Ser	Leu	Ala	Phe	Leu	Val	Leu	Gly	Gly	Ile	Trp
358		355					360						365			
360	Met	His	Arg	Arg	Cys	Lys	His	Arg	Thr	Gly	Lys	Ala	Asp	Gly	Leu	Thr
361		370				375						380				

VERIFICATION SUMMARY

DATE: 01/28/2002

PATENT APPLICATION: US/10/038,557

TIME: 18:06:11

Input Set : A:\301dseq.001

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L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
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L:103 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:2
L:168 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:3
L:290 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:4
L:379 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:5
L:840 M:283 W: Missing Blank Line separator, <220> field identifier
L:872 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:14
L:932 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:15
L:986 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:16
L:1090 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:17